

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.
1932.1110-002

APPLICATION NO.
10/051,765

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

APPLICANT
Richard J. Fitzpatrick, et al.

FILING DATE
January 17, 2002

GROUP
1614

U. S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	ISSUE DATE / PUBLICATION DATE	
BF	AA	3,641,034	08-FEB-72	Simon
BF	AB	3,652,149	28-MAR-72	Rogers
BF	AC	3,770,476	06-NOV-73	McKay
BF	AD	3,874,870	01-APR-75	Green, et al.
BF	AE	3,923,973	02-DEC-75	Green, et al.
BF	AF	3,931,319	06-JAN-76	Green, et al.
BF	AG	3,946,035	23-MAR-76	Jacquet, et al.
BF	AH	3,961,042	01-JUN-76	Green, et al.
BF	AI	3,966,906	29-JUN-76	Schultze, et al.
BF	AJ	3,988,158	26-OCT-76	Muramatsu, et al.
BF	AK	4,025,617	24-MAY-77	Green, et al.

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER		COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
Not considered.	AL	2,048,233	22-MAY-92	Canada			
	AM	0411 111 B1	23-AUG-90	EPO	abstract only		X
	AN	59-217787	07-DEC-84	Japan	abstract only		X
	AO	60-229025	14-NOV-85	Japan	abstract only		X
	AP	60-229027	14-NOV-85	Japan	abstract only		X
	AQ	62-51138	05-MAR-87	Japan	abstract only		X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Not considered.	AR	Jegal, et al., "Development of Polyion Complex Membranes for the Separation of Water-Alcohol Mixtures. I. Synthesis and Physical Properties of the Polycations Based on 1,3-Di(4-pyridyl) propane", J. Appl. Polymer Science, 54: 65-72 (1994).
	AS	Jegal, et al., "Development of Polyion Complex Membranes for the Separation of Water-Alcohol Mixtures. III. Preparation of Polyion Complex Membranes Based on the k-Carrageenan for the Pervaporation Separation of Water-Ethanol", J. Appl. Polymer Sci., 60:1177-1183 (1996).

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DATE CONSIDERED

6-27-03

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TIME

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U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	ISSUE DATE / PUBLICATION DATE	NAME
BF	AA2	4,025,627	24-MAY-77	Green et al.
BF	AB2	4,025,653	24-MAY-77	Green et al.
BF	AC2	4,027,020	31-MAY-77	Green et al.
BF	AD2	4,113,709	12-SEP-78	Quinlan
BF	AE2	4,157,387	05-JUN-79	Benedict
BF	AF2	4,206,295	03-JUN-80	Wagner et al.
BF	AG2	4,217,429	12-AUG-80	Wagner et al.
BF	AH2	4,379,137	05-APR-83	Ehlers et al.
BF	AI2	4,506,081	19-MAR-85	Fenyess et al.
BF	AJ2	4,778,813	18-OCT-88	Fenyess et al.
BF	AK2	4,923,619	08-MAY-90	Legros
BF	AA3	4,960,590	02-OCT-90	Hollis et al.

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
Not Considered	AM2	62-62881	19-MAR-87	Japan	abstract only		X
	AN2	476257	11-MAY-76	Soviet Union	abstract only		X
	AO2	2000280622	10-OCT-00	Japan	abstract only		X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AT	Kanazawa, et al., "Polymeric Phosphonium Salts as a Novel Class of Cationic Biocides. IV. Synthesis and Antibacterial Activity of Polymers with Phosphonium Salts in the Main Chain", J. Polymer Sci.; Part A: Polymer Chemistry 31:3031-3038 (1993).
Not Considered	AU	Nohira, et al., "Synthesis of Poly(alkylenediphenylphosphonium bromide)", Kobunshi Ronbunshu, 31(6):391-394 (1974).
	AV	Rembaum, et al., "Interaction of Living Cells with Polyionenes and Polyionene-Coated Surfaces", J.Biomed. Mater. Res. Symposium 8: 101-110 (1977).
	AW	Yi, et al., "The Synthesis and Reduction Behavior of Substituted Polypropylviologens", Acta Scientiarum Naturalium Universitatis Sunyatseni No. 2: 30-36(1986).

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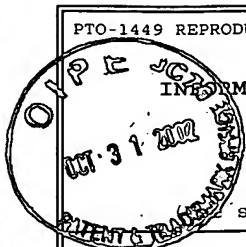
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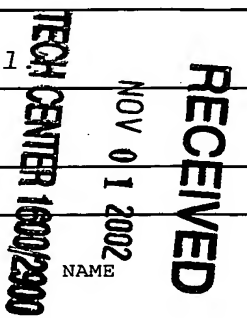


PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 1932.1110-002		APPLICATION NO. 10/051,765				
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		APPLICANT Richard J. Fitzpatrick, et al.						
		FILING DATE January 17, 2002		GROUP 1614				
U.S. PATENT DOCUMENTS								
EXAM- INER INI- TIAL		DOCUMENT NUMBER	ISSUE DATE / PUBLICATION DATE		NAME			
RF	AB3	4,980,067	25-DEC-90		Hou et al.			
RF	AC3	5,128,100	07-JUL-92		Hollis et al.			
RF	AD3	5,142,002	25-AUG-92		Metzner			
RF	AE3	5,149,524	22-SEP-92		Sherba et al.			
RF	AF3	5,283,316	01-FEB-94		Dominguez et al.			
RF	AG3	5,300,287	05-APR-94		Park			
RF	AH3	5,575,917	19-NOV-96		Konstantin et al.			
RF	AI3	5,575,993	19-NOV-96		Ward et al.			
RF	AJ3	5,616,317	01-APR-97		Nagase et al.			
RF	AK3	5,637,308	10-JUN-97		Del Corral et al.			
RF	AA4	5,646,205	08-JUL-97		Lee et al.			
RF	AB4	5,709,976	20-JAN-98		Malhotra			
RF	AC4	5,843,865	01-DEC-98		Del Corral et al.			
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
Not Considered	AP2	WO 90/09405	23-AUG-90	WIPO	abstract only		X	
	AQ2	WO 94/14872	07-JUL-94	WIPO	abstract only		X	
	AL3	WO 96/20737	11-JUL-96	WIPO				
	AM3	WO 98/02136	22-JAN-98	WIPO				
	AN3	WO 99/02621	21-JAN-99	WIPO			X	
	AO3	WO 99/55320	04-NOV-99	WIPO				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
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		FILING DATE January 17, 2002				GROUP 1614		
U.S. PATENT DOCUMENTS								
EXAM- INER INI- TIAL		DOCUMENT NUMBER	ISSUE DATE / PUBLICATION DATE		NAME			
bf	AD4	5,866,016	02-FEB-99		Jaquess et al.			
bf	AE4	6,007,803	28-DEC-99		Mandeville, III et al.			
bf	AF4	6,016,508	18-JAN-00		Chu et al.			
bf	AG4	6,034,129	07-MAR-00		Mandeville, III et al.			
bf	AH4	6,123,928	26-SEP-00		Sovak et al.			
bf	AI4	3,929,990	30-DEC-75		Green, et al.			
bf	AJ4	2001/0041485 A1	15-NOV-01		Zhao, et al.			
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
EXAMINER <i>Blessing Enbura</i>			DATE CONSIDERED <i>6-27-03</i>					

PTO-1349 REPRODUCED

2nd SUPPLEMENTAL
INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

February 28, 2003

(Use several sheets if necessary)

ATTORNEY DOCKET NO.
1932.1110-002

APPLICATION NO.
10/051,765

APPLICANT
Richard J. Fitzpatrick, et al.

FILING DATE
January 17, 2002

CONFIRMATION NO.
5555

GROUP
1614

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	DOCUMENT NUMBER	ISSUE DATE / PUBLICATION DATE	NAME

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BF	AR2	Mosca, D.A., et al., "IB-367, a protegrin peptide with in vitro and in vivo activities against the microflora associated with oral mucositis," <i>Antimicrobial Agents and Chemotherapy</i> , 44(7):1803-1808 (2000).
BF	AS2	Ferretti, G.A., et al., "Therapeutic use of chlorhexidine in bone marrow transplant patients: case studies," <i>Oral Surg. Oral Med., and Oral Pathol.</i> , 63(6):683-687 (1987).
BF	AT2	Mulholland, B., et al., "The antimicrobial activity of protamine and polybrene," <i>J. Hosp. Infection</i> , 10:305-307 (1987).
BF	AU2	Kourai, H., et al., "The Antimicrobial Characteristics of Poly [dimethyliminio (polymethylene) chloride]s," <i>J. Antibact. Antifung. Agents</i> , 22(9):519-530 (1994).

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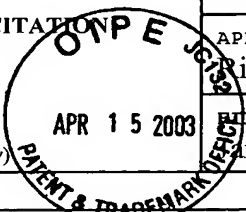
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PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 1932.1110-002	APPLICATION NO. 10/051,765	
THIRD SUPPLEMENTAL INFORMATION DISCLOSURE CITATION IN AN APPLICATION		APPLICANT Richard J. Fitzpatrick <i>et al.</i>		
(April 10, 2003)		FILING DATE January 17, 2002	CONFIRMATION NO. 5555	GROUP 1615
(Use several sheets if necessary)				



FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
65	AL4	1 546 809	31/05/79	Great Britain			
	AM						
	AN						
	AO						
	AP						
	AQ						
	AL2						
	AM2						
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EXAMINER <i>Glenn Eubara</i>	DATE CONSIDERED <i>6-27-93</i>
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